

DECLARATION
Utility Application

LYON & LYON
DOCKET INFORMATION

199/136

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and

for which a patent is sought on the invention entitled GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS, the specification of which

Check One

☐ is attached hereto.
☒ was filed on October 7, 1992 as

Application Serial No. 07/958,870

and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Application Number	Country	Date of Filing	Priority Claimed	
			Yes ✓	No ✓

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

Application Number	Date of Filing	Status—Patented, Pending or Abandoned
S.N. 07/870,540	April 20, 1992	Pending

Send Correspond

 LYON & LYON
 34th Floor, 611 W. Sixth St.
 Los Angeles, CA 90017

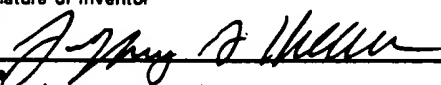
Direct

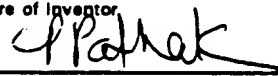
One Calls to:

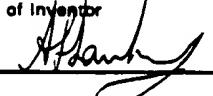
 rol A. Schneider, Esq.
 (213) 500

201	FULL NAME OF INVENTOR	FIRST Name Jeffrey	Middle Initial(s) A.	LAST Name Hubbell	
	RESIDENCE & CITIZENSHIP	City Concord	State or Foreign Country Massachusetts	Country of Citizenship U.S.A.	
	POST OFFICE ADDRESS	Post Office Address 413 Silverhill Road	City Concord	State or Country Massachusetts	Zip Code 01742
202	FULL NAME OF INVENTOR	FIRST Name Chandrashekhar	Middle Initial(s) P.	LAST Name Pathak	
	RESIDENCE & CITIZENSHIP	City Waltham	State or Foreign Country Massachusetts	Country of Citizenship India	
	POST OFFICE ADDRESS	Post Office Address Windsor Vill., Sterns Hill Rd. Apt 3102	City Waltham	State or Country Massachusetts	Zip Code 02154
203	FULL NAME OF INVENTOR	FIRST Name Amarpreet	Middle Initial(s) S.	LAST Name Sawhney	
	RESIDENCE & CITIZENSHIP	City Newton	State or Foreign Country Massachusetts	Country of Citizenship India	
	POST OFFICE ADDRESS	Post Office Address 148 Church Street	City Newton	State or Country Massachusetts	Zip Code 01742
204	FULL NAME OF INVENTOR	FIRST Name Neil	Middle Initial(s) P.	LAST Name Desai	
	RESIDENCE & CITIZENSHIP	City Los Angeles	State or Foreign Country California	Country of Citizenship India	
	POST OFFICE ADDRESS	Post Office Address 847 Alandeale Avenue	City Los Angeles	State or Country California	Zip Code 90036
205	FULL NAME OF INVENTOR	FIRST Name Syed	Middle Initial(s) F.A.	LAST Name Hossainy	
	RESIDENCE & CITIZENSHIP	City Austin	State or Foreign Country Texas	Country of Citizenship Bangladesh	
	POST OFFICE ADDRESS	Post Office Address 3812 Speedway #105	City Austin	State or Country Texas	Zip Code 78751
206	FULL NAME OF INVENTOR	FIRST Name	Middle Initial(s)	LAST Name	
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS	Post Office Address	City	State or Country	Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 201	
Date	Jan 22, 1993

Signature of Inventor 202	
Date	Jan 22, 1993

Signature of Inventor 203	
Date	Jan 27, 1993

Signature of Inventor 204	
Date	

Signature of Inventor 205	
Date	

Signature of Inventor 206	
Date	

(Signatures should conform to names as presented at 201 et seq. above.)

DECLARATION
Utility Application

LYON & LYON
DOCKET INFORMATION
199/136

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and

for which a patent is sought on the invention entitled GELS FOR ENCAPSULATION OF

BIOLOGICAL MATERIALS, the specification of which

Check One

- ☐ is attached hereto.
☒ was filed on October 7, 1992 as

Application Serial No. 07/958,870

and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Application Number	Country	Date of Filing	Priority Claimed	
			Yes ✓	No ✓

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

Application Number	Date of Filing	Status—Patented, Pending or Abandoned
S.N. 07/870,540	April 20, 1992	Pending

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs, when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by ss 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
- (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

35 U.S.C. 102. CONDITIONS FOR PATENTABILITY: NOVELTY AND LOSS OF RIGHT TO PATENT

A person shall be entitled to a patent unless—

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent, or
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or
- (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
- (f) he did not himself invent the subject matter sought to be patented, or
- (g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

35 U.S.C. 103. CONDITIONS FOR PATENTABILITY: NON-OBVIOUS SUBJECT MATTER

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

35 U.S.C. 119. BENEFIT OF EARLIER FILING DATE IN FOREIGN COUNTRY; RIGHT OF PRIORITY (Applicable Portion)

An application for patent for an invention filed in this country by any person who has, or whose legal representatives or assigns have, previously regularly filed an application for a patent for the same invention in a foreign country which affords similar privileges in the case of applications filed in the United States or to citizens of the United States, shall have the same effect as the same application would have if filed in this country on the date on which the application for patent for the same invention was first filed in such foreign country, if the application in this country is filed within twelve months from the earliest date on which such foreign application was filed; but no patent shall be granted on any application for a patent for an invention which has been patented or described in a printed publication in any country more than one year before the date of the actual filing of the application in this country, or which had been in public use or on sale in this country more than one year prior to such filing.

35 U.S.C. 120. BENEFIT OF EARLIER FILING DATE IN THE UNITED STATES

An application for patent for an invention disclosed in the manner provided by the first paragraph of section 112 of this title in an application previously filed in the United States, or as provided by section 363 of this title, by the same invention shall have the same effect, as to such invention, as though filed on the date of the prior application, if filed before the patenting or abandonment of or termination of proceedings on the first application or on an application similarly entitled to the benefit of the filing date of the first application and if it contains or is amended to contain a specific reference to the earlier filed application.

35 U.S.C. 112. SPECIFICATION (Applicable Portion)

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make the use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

The specification shall conclude with one or more claims particularly pointing out and distinctive claiming the subject matter which the applicant regards as his invention.

Send Correspondence to: LYON & LYON
34th Floor, 811 W. Sixth St.
Los Angeles, CA 90017

Direct Phone Calls to:
C. A. Schneider, Esq.
(213) 600-1600

201	FULL NAME OF INVENTOR	FIRST Name Jeffrey	Middle Initial(s) A.	LAST Name Hubbell
	RESIDENCE & CITIZENSHIP	City Concord	State or Foreign Country Massachusetts	Country of Citizenship U.S.A.
	POST OFFICE ADDRESS	Post Office Address 413 Silverhill Road	City Concord	State or Country Massachusetts Zip Code 01742
202	FULL NAME OF INVENTOR	FIRST Name Chandrashekhar	Middle Initial(s) P.	LAST Name Pathak
	RESIDENCE & CITIZENSHIP	City Austin	State or Foreign Country Texas	Country of Citizenship India
	POST OFFICE ADDRESS	Post Office Address 2600 N. Hills Dr. #270	City Austin	State or Country Texas Zip Code 78731
203	FULL NAME OF INVENTOR	FIRST Name Amarpreet	Middle Initial(s) S.	LAST Name Sawhney
	RESIDENCE & CITIZENSHIP	City Newton	State or Foreign Country Massachusetts	Country of Citizenship India
	POST OFFICE ADDRESS	Post Office Address 148 Church Street	City Newton	State or Country Massachusetts Zip Code 01742
204	FULL NAME OF INVENTOR	FIRST Name Neil	Middle Initial(s) P.	LAST Name Desai
	RESIDENCE & CITIZENSHIP	City Los Angeles	State or Foreign Country California	Country of Citizenship India
	POST OFFICE ADDRESS	Post Office Address 847 Alandale Avenue	City Los Angeles	State or Country California Zip Code 90036
205	FULL NAME OF INVENTOR	FIRST Name Syed	Middle Initial(s) F.A.	LAST Name Hossainy
	RESIDENCE & CITIZENSHIP	City Austin	State or Foreign Country Texas	Country of Citizenship Bangladesh
	POST OFFICE ADDRESS	Post Office Address 3812 Speedway #105	City Austin	State or Country Texas Zip Code 78751
206	FULL NAME OF INVENTOR	FIRST Name	Middle Initial(s)	LAST Name
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS	Post Office Address	City	State or Country Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 201 X
Date X

Signature of Inventor 202 X
Date X

Signature of Inventor 203 X
Date X

Signature of Inventor 204 X
Date X 12/4/92

Signature of Inventor 205 X
Date X

Signature of Inventor 206 X
Date

(Signatures should conform to names as presented at 201 or seq. above.)

DECLARATION
Utility Application

LYON & LYON
DOCKET INFORMATION

199/136

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and

for which a patent is sought on the invention entitled GELS FOR ENCAPSULATION OF
BIOLOGICAL MATERIALS, the specification of which

Check One

☐ is attached hereto.
☒ was filed on October 7, 1992 as

Application Serial No. 07/958,870

and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Application Number	Country	Date of Filing	Priority Claimed	
			Yes ✓	No ✓

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

Application Number	Date of Filing	Status—Patented, Pending or Abandoned
S.N. 07/870,540	April 20, 1992	Pending

Send Correspon

 LYON & LYON
 34th Floor, 611 W. Sixth St.
 Los Angeles, CA 90017

Direct

 one Calls to:
 rol A. Schneider, Esq.
 (213) 800

201	FULL NAME OF INVENTOR	FIRST Name Jeffrey	Middle Initial(s) A.	LAST Name Hubbell
	RESIDENCE & CITIZENSHIP	City Concord	State or Foreign Country Massachusetts	Country of Citizenship U.S.A.
	POST OFFICE ADDRESS	Post Office Address 413 Silverhill Road	City Concord	State or Country Massachusetts Zip Code 01742
202	FULL NAME OF INVENTOR	FIRST Name Chandrashekhar	Middle Initial(s) P.	LAST Name Pathak
	RESIDENCE & CITIZENSHIP	City Waltham	State or Foreign Country Massachusetts	Country of Citizenship India
	POST OFFICE ADDRESS	Post Office Address Windsor Vill., Sterns Hill Rd. Apt 3102	City Waltham	State or Country Massachusetts Zip Code 02154
203	FULL NAME OF INVENTOR	FIRST Name Amarpreet	Middle Initial(s) S.	LAST Name Sawhney
	RESIDENCE & CITIZENSHIP	City Newton	State or Foreign Country Massachusetts	Country of Citizenship India
	POST OFFICE ADDRESS	Post Office Address 148 Church Street	City Newton	State or Country Massachusetts Zip Code 01742
204	FULL NAME OF INVENTOR	FIRST Name Neil	Middle Initial(s) P.	LAST Name Desai
	RESIDENCE & CITIZENSHIP	City Los Angeles	State or Foreign Country California	Country of Citizenship India
	POST OFFICE ADDRESS	Post Office Address 847 Alandeale Avenue	City Los Angeles	State or Country California Zip Code 90036
205	FULL NAME OF INVENTOR	FIRST Name Syed	Middle Initial(s) F.A.	LAST Name Hossainy
	RESIDENCE & CITIZENSHIP	City Austin	State or Foreign Country Texas	Country of Citizenship Bangladesh
	POST OFFICE ADDRESS	Post Office Address 3812 Speedway #105	City Austin	State or Country Texas Zip Code 78751
206	FULL NAME OF INVENTOR	FIRST Name	Middle Initial(s)	LAST Name
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS	Post Office Address	City	State or Country Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

 Signature of Inventor
 201

Date

 Signature of Inventor
 202

Date

 Signature of Inventor
 203

Date

 Signature of Inventor
 204

Date

 Signature of Inventor
 205

Date

 Signature of Inventor
 206

Date

(Signatures should conform to names as presented at 201 et seq. above.)

1597136

The Board of Regents,
The University of Texas System

assignee(s) of the application for United States
Letters Patent for an improvement in "GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS"

(Title)
by Jeffrey A. Hubbell, Chandrashekhar P. Pathak, Amarpreet S. Sawhney, Neil
Neil P. Desai, and (Inventors) Syed F.A. Hossainy

☐ executed on even date herewith, or

☒ having Serial No. 07/958,870, filed on October 7, 1992.

a copy of the assignment of which is attached hereto, do(es) hereby appoint as attorneys of record with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; William E. Thomson, Jr., Reg. No. 20,719; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; Bradford J. Duft, Reg. No. 32,219; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; and

Carol A. Schneider Reg. No. 34,923

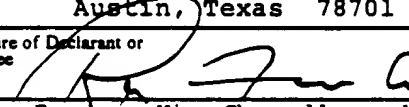
Send Correspondence to: LYON & LYON

34th Floor, 611 W. Sixth St.
Los Angeles, CA 90017

Direct Telephone Calls to:

Carol A. Schneider, Esq.
(213) 489-1600

I, the undersigned, declare that I am the (an) assignee of the above-identified application or, if the assignee is a corporation, partnership or other association, I am authorized to make this appointment on behalf of the assignee and I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of Assignee	The Board of Regents, The University of Texas System	
Post Office Address	201 West 7th Street Austin, Texas 78701	
Signature of Declarant or Assignee	Date	
X 	X 12/1/92	

Ray Farabee, Vice Chancellor and General Counsel

Full Name of Assignee		
Post Office Address		
Signature of Declarant or Assignee	Date	

Full Name of Declarant If Other Than Assignee	Ray Farabee	
Title of Declarant	Vice Chancellor and General Counsel	
Address of Declarant	201 West 7th Street Austin, Texas 78701	



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 06/08/93

TO:

N09A

CAROL A. SCHNEIDER
LYON & LYON
THIRTY-FOURTH FLOOR
611 WEST SIXTH STREET
LOS ANGELES, CA 90017

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:

HUBBELL, JEFFREY A.

DOC DATE: 01/22/93

ASSIGNOR:

PATHAK, CHANDRASHEKHAR P.

DOC DATE: 01/22/93

ASSIGNOR:

SAWHNEY, AMARPREET S.

DOC DATE: 01/22/93

ASSIGNOR:

DESAI, NEIL P.

DOC DATE: 12/04/92

ASSIGNOR:

HOSSAINY, SYED F. A.

DOC DATE: 01/20/93

RECORDATION DATE: 02/16/93 NUMBER OF PAGES 016 REEL/FRAME 6536/0245

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

BOARD OF REGENTS, THE
UNIVERSITY OF TEXAS SYSTEM
201 WEST 7TH STREET
AUSTIN, TEXAS 78701

RECEIVED

JUN 25 1993

U.S. DEPARTMENT

SERIAL NUMBER 7-958870
PATENT NUMBER 0

FILING DATE 10/07/92
ISSUE DATE 00/00/00

EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

THE UNIVERSITY OF CHICAGO

A S S I G N M E N T

WHEREAS, we, JEFFREY A. HUBBELL residing at 413 Silverhill Road, Concord, Massachusetts 01742, CHANDRASHEKHAR P. PATHAK residing at Windsor Village, Sterns Hill Rd., Apt. 3102, Waltham, Massachusetts 02154, AMARPREET S. SAWHNEY residing at 148 Church Street, Newton, Massachusetts 02158, NEIL P. DESAI residing at 847 Alandale Avenue, Los Angeles, California 90036, and SYED F.A. HOSSAINY residing at 3812 Speedway #105, Austin, Texas 78751, ("ASSIGNORS") own the entire interest in a certain invention entitled "GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS" for which application for Letters Patent of the United States of America has been executed on October 7, 1992, as U.S. Application No. 07/958,870;

WHEREAS, THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM (the "ASSIGNEE"), having a place of business at 201 West 7th Street, Austin, Texas 78701, is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Jeffrey A. Hubbell, Chandrashekhar P. Pathak, Amarpreet S. Sawhney, Neil P. Desai, and Syed F.A. Hossainy do hereby sell, assign, transfer and set over unto the Board of Regents of the University of Texas System, its

REEL
6536
FRAME
0246

successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent or any legal equivalent thereof to the Board of Regents, University of Texas System, its successors and assigns, in accordance with this Assignment.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

We further covenant that the Board of Regents, the University of Texas System will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to the Board of Regents, The University of Texas System, or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said

REEL
6536
FRAME
0247

application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

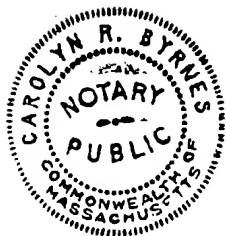
We declare (or certify, verify, or state) under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

(Signature) Jeffrey A. Hubbell Date Jan 22, 1993
Name: Jeffrey A. Hubbell

STATE OF MASSACHUSETTS)
COUNTY OF MIDDLESEX) SS.

BEFORE ME, the undersigned authority, on this 22 day of January, 1993, personally appeared JEFFREY A. HUBBELL known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Carolyn R. Byrnes
Notary of Consular Officer
MY COMMISSION EXPIRES MAR. 21, 1997

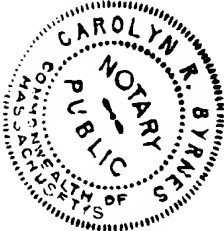


REEL
5536
0248
FILE

(Signature) CP Pathak Date Jan 22, 1993
Name: Chandrashekhar P. Pathak

STATE OF MASSACHUSSETTS)
) SS.
COUNTY OF MIDDLESEX)

BEFORE ME, the undersigned authority, on this 22 day of
January, 1993, personally appeared Chandrashekhar P. Pathak known
to me to be the person whose name subscribed to the foregoing
instrument and acknowledged to me that he executed the same of his
own free will for the purposes and consideration therein expressed.

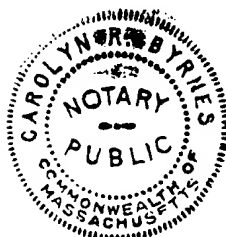


Carolyn R. Byrnes
Notary of Consular Officer
MY COMMISSION EXPIRES MAR. 21, 1997

(Signature) Amarpreet S. Sawhney Date Jan 22, 1993
Name: Amarpreet S. Sawhney

STATE OF MASSACHUSSETTS)
) SS.
COUNTY OF MIDDLESEX)

BEFORE ME, the undersigned authority, on this 22 day of
January, 1993, personally appeared Amarpreet S. Sawhney known to
me to be the person whose name subscribed to the foregoing
instrument and acknowledged to me that she executed the same of her
own free will for the purposes and consideration therein expressed.



Carolyn R. Byrnes
Notary of Consular Officer
MY COMMISSION EXPIRES MAR. 21, 1997

REEL
6536
FRAME
0219

(Signature) _____ Date _____
Name: Neil P. Desai

STATE OF CALIFORNIA)
)
COUNTY OF LOS ANGELES) SS.

BEFORE ME, the undersigned authority, on this ____ day of _____, 1992, personally appeared Neil P. Desai known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

(Signature) _____ Date _____
Name: Syed F.A. Hossainy

STATE OF TEXAS)
)
COUNTY OF TRAVIS) SS.

BEFORE ME, the undersigned authority, on this ____ day of _____, 1992, personally appeared Syed F.A. Hossainy known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

REEL
6536
FRAME
0250

A S S I G N M E N T

WHEREAS, we, JEFFREY A. HUBBELL residing at 413 Silverhill Road, Concord, Massachusetts 01742, CHANDRASHEKHAR P. PATHAK residing at 2600 North Hills Drive #270, Austin, Texas 78731, AMARPREET S. SAWHNEY residing at 148 Church Street, Newton, Massachusetts 02158, NEIL P. DESAI residing at 847 Alandale Avenue, Los Angeles, California 90036, and SYED F.A. HOSSAINY residing at 3812 Speedway #105, Austin, Texas 78751, ("ASSIGNORS") own the entire interest in a certain invention entitled "GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS" for which application for Letters Patent of the United States of America has been executed on October 7, 1992, as U.S. Application No. 07/958,870;

WHEREAS, THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM (the "ASSIGNEE"), having a place of business at 201 West 7th Street, Austin, Texas 78701, is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Jeffrey A. Hubbell, Chandrashekhar P. Pathak, Amarpreet S. Sawhney, Neil P. Desai, and Syed F.A. Hossainy do hereby sell, assign, transfer and set over unto the Board of Regents of the University of Texas System, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application or any continuation,

REEL
6585
0251
FINANC

division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent or any legal equivalent thereof to the Board of Regents, University of Texas System, its successors and assigns, in accordance with this Assignment.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

We further covenant that the Board of Regents, the University of Texas System will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to the Board of Regents, The University of Texas System, or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said

REEL
6536

FRAME
0252

PATENT
199/136

equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

We declare (or certify, verify, or state) under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

(Signature) _____ Date _____
Name: Jeffrey A. Hubbell

STATE OF MASSACHUSETTS)
COUNTY OF MIDDLESEX) SS.

BEFORE ME, the undersigned authority, on this ____ day of _____, 1992, personally appeared JEFFREY A. HUBBELL known to me to be the persons whose name subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

6536
0253
KEEL
PIANE

PATENT
199/136

(Signature) _____ Date _____
Name: Chandrashekhar P. Pathak

STATE OF TEXAS)
) SS.
COUNTY OF TRAVIS)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1992, personally appeared Chandrashekhar P. Pathak known to me to be the persons whose name subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

(Signature) _____ Date _____
Name: Amarpreet S. Sawhney

STATE OF MASSACHUSSETTS)
) SS.
COUNTY OF MIDDLESEX)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1992, personally appeared Amarpreet S. Sawhney known to me to be the persons whose name subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

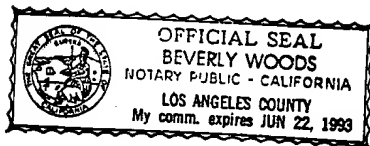
REEL
6536
0254
FRAME

PATENT
199/136

(Signature) *Neil P. Desai* Date 12/4/92
Name: Neil P. Desai

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) SS.

BEFORE ME, the undersigned authority, on this 4 day of Dec, 1992, personally appeared Neil P. Desai known to me to be the person^{HE} whose name subscribed to the foregoing instrument and acknowledged to me that ~~they~~^{HE} executed the same of ~~their~~^{his} own free will for the purposes and consideration therein expressed.



Beverly Woods
Notary of Consular Officer

(Signature) _____ Date _____
Name: Syed F.A. Hossainy

STATE OF TEXAS)
COUNTY OF TRAVIS) SS.

BEFORE ME, the undersigned authority, on this ____ day of _____, 1992, personally appeared Syed F.A. Hossainy known to me to be the persons whose name subscribed to the foregoing instrument and acknowledged to me that they executed the same of their own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

REEL
6536
FRAME
0255

A S S I G N M E N T

WHEREAS, we, JEFFREY A. HUBBELL residing at 413 Silverhill Road, Concord, Massachusetts 01742, CHANDRASHEKHAR P. PATHAK residing at Windsor Village, Sterns Hill Rd., Apt. 3102, Waltham, Massachusetts 02154, AMARPREET S. SAWHNEY residing at 148 Church Street, Newton, Massachusetts 02158, NEIL P. DESAI residing at 847 Alandale Avenue, Los Angeles, California 90036, and SYED F.A. HOSSAINY residing at 3812 Speedway #105, Austin, Texas 78751, ("ASSIGNORS") own the entire interest in a certain invention entitled "GELS FOR ENCAPSULATION OF BIOLOGICAL MATERIALS" for which application for Letters Patent of the United States of America has been executed on October 7, 1992, as U.S. Application No. 07/958,870;

WHEREAS, THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM (the "ASSIGNEE"), having a place of business at 201 West 7th Street, Austin, Texas 78701, is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Jeffrey A. Hubbell, Chandrashekhar P. Pathak, Amarpreet S. Sawhney, Neil P. Desai, and Syed F.A. Hossainy do hereby sell, assign, transfer and set over unto the Board of Regents of the University of Texas System, its

REEL
6536
FRONT
0256

successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent or any legal equivalent thereof to the Board of Regents, University of Texas System, its successors and assigns, in accordance with this Assignment.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

We further covenant that the Board of Regents, the University of Texas System will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to the Board of Regents, The University of Texas System, or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said

REEL
6536
0257
F. R. A. T. C.

PATENT
199/136

application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

We declare (or certify, verify, or state) under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

(Signature) _____ Date _____
Name: Jeffrey A. Hubbell

STATE OF MASSACHUSETTS)
COUNTY OF MIDDLESEX) SS.

BEFORE ME, the undersigned authority, on this ____ day of _____, 1993, personally appeared JEFFREY A. HUBBELL known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

REEL
5536
FRAME
0258

PATENT
199/136

(Signature) _____ Date _____
Name: Chandrashekhar P. Pathak

STATE OF MASSACHUSSETTS)
) SS.
COUNTY OF MIDDLESEX)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1993, personally appeared Chandrashekhar P. Pathak known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

(Signature) _____ Date _____
Name: Amarpreet S. Sawhney

STATE OF MASSACHUSSETTS)
) SS.
COUNTY OF MIDDLESEX)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1993, personally appeared Amarpreet S. Sawhney known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

REEL
6536
FRAME
0259

(Signature) _____ Date _____
Name: Neil P. Desai

STATE OF CALIFORNIA)
)
COUNTY OF LOS ANGELES) SS.

BEFORE ME, the undersigned authority, on this ____ day of _____, 1992, personally appeared Neil P. Desai known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary of Consular Officer

(Signature) Syed F.A. Hossainy Date JAN. 20, 1993
Name: Syed F.A. Hossainy

STATE OF TEXAS)
)
COUNTY OF TRAVIS) SS.

BEFORE ME, the undersigned authority, on this 20th day of January, 1993, personally appeared Syed F.A. Hossainy known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Sia Guana Dikman
Notary of Consular Officer

REEL
6536
FRAME
0260

OFFICE
FEB 16 93